From: Karen Hammerstrom [Hammerstrom.KarenLNDU@usepa.onmicrosoft.com]

**Sent**: 4/16/2012 12:45:49 PM

To: Corona, Elizabeth [/o=ExchangeLabs/ou=Exchange Administrative Group

(FYDIBOHF23SPDLT)/cn=Recipients/cn=18d86fb8269b4557b5d06622b3a941af-Corona, Elizabeth]

CC: Deener, Kathleen [/o=ExchangeLabs/ou=Exchange Administrative Group

(FYDIBOHF23SPDLT)/cn=Recipients/cn=b9a2ff1c086249ea8f6414afde8a5e54-Deener, Kathleen]; Flowers, Lynn

[/o=ExchangeLabs/ou=Exchange Administrative Group

(FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]; Winner, Darrell

[/o=ExchangeLabs/ou=Exchange Administrative Group

(FYDIBOHF23SPDLT)/cn=Recipients/cn=860556f5cd0f4855839907bcc90b2c41-Winner, Darrell]; Elizabeth Erwin [Erwin.ElizabethLNDU@usepa.onmicrosoft.com]; Birchfield, Norman [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c910f2fd28414e819b6afe6dda525e9f-Birchfield, Norman]; Cogliano,

Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group

(FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]

Subject: Re: Update on Methanol Controls and Request for Correction

Attachments: ORD-12-000-5420 Methanol submission of WOE article (draft)\_04.12.12\_kdeener.docx

Just a note that the methanol docket (epa-hq-ord-2009-0398) is current in the sense that it has comments on the current non-cancer assessment from both the public and the interagency group.

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Possibly we would be allowed to add directions to the new cancer docket.

Karen A. Hammerstrom
Deputy Director, Integrated Risk Information System (IRIS)
U.S. Environmental Protection Agency
Office of Research and Development
National Center for Environmental Assessment (8601-P)
1200 Pennsylvania Ave. NW
Washington, DC 20460

Telephone: 703 347 8642

From: Elizabeth Corona/DC/USEPA/US

To: Kathleen Deener/DC/USEPA/US@EPA, Lynn Flowers/DC/USEPA/US@EPA, Darrell Winner/DC/USEPA/US@EPA,

Elizabeth Erwin/DC/USEPA/US@EPA, Karen Hammerstrom/DC/USEPA/US@EPA, Norman

Birchfield/DC/USEPA/US@EPA, Vincent Cogliano/DC/USEPA/US@EPA

Date: 04/13/2012 10:19 AM

Subject: Update on Methanol Controls and Request for Correction

We have been granted an extension for ORD-12-000-5420 to April 20th. This is the letter in which the MI asked for us to post an article on the archived methanol docket.

## **Deliberative Process / Ex. 5**

Elizabeth Corona, Ph.D.

Office of Research and Development

National Center for Environmental Assessment (8601P)

Phone: 703-347-0214 Fax: 703-347-8699

From: Elizabeth Corona/DC/USEPA/US
To: Kathleen Deener/DC/USEPA/US@EPA

்: Lynn Flowers/DC/USEPA/US@EPA, Darrell Winner/DC/USEPA/US@EPA, Elizabeth Erwin/DC/USEPA/US@EPA,

Karen Hammerstrom/DC/USEPA/US@EPA, Norman Birchfield/DC/USEPA/US@EPA, Vincent

Cogliano/DC/USEPA/US@EPA

Date: 04/13/2012 08:18 AM

Subject: Re: MI control on submitting article on Weight of Evedence for Methanol (Cancer) IRIS Assessment

FYI - CMS won't let me submit another extension request, since we already asked for an additional week. Therefore, we should really try to get this uploaded today, if possible.

--

Elizabeth Corona, Ph.D.
Office of Research and Development
National Center for Environmental Assessment (8601P)

Phone: 703-347-0214 Fax: 703-347-8699

From: Kathleen Deener/DC/USEPA/US
To: Elizabeth Corona/DC/USEPA/US@EPA

Co: Lynn Flowers/DC/USEPA/US@EPA, Darrell Winner/DC/USEPA/US@EPA, Elizabeth Erwin/DC/USEPA/US@EPA,

 $Karen\ Hammerstrom/DC/USEPA/US@EPA,\ Norman\ Birchfield/DC/USEPA/US@EPA,\ Vincent$ 

Cogliano/DC/USEPA/US@EPA

Date: 04/12/2012 06:15 PM

Subject: Re: MI control on submitting article on Weight of Evedence for Methanol (Cancer) IRIS Assessment

I've revised the draft response to the MI based on my conversation with Norm this afternoon. If you have comments, please let me know tomorrow if possible. This is due soon, but Elizabeth is requesting an extension.



ORD-12-000-5420 Methanol submis...

#### Kacee Deener, MPH

Acting Communications Director / Program and Regulatory Support Lead

National Center for Environmental Assessment | U.S. EPA - ORD (Mail Code 8601P) | 1200 Pennsylvania Ave. NW | Washington, D.C. 20460

(ph) 703.347.8514 I (f) 703.347.8699; deener.kathleen@epa.gov

Physical and overnight delivery address: U.S. EPA North Potomac Yard N-7622 | 2733 S. Crystal Dr. | Arlington, VA 22202

From: Elizabeth Corona/DC/USEPA/US
To: Lynn Flowers/DC/USEPA/US@EPA

Cc: Kathleen Deener/DC/USEPA/US@EPA, Darrell Winner/DC/USEPA/US@EPA, Elizabeth

Erwin/DC/USEPA/US@EPA, Karen Hammerstrom/DC/USEPA/US@EPA, Norman Birchfield/DC/USEPA/US@EPA,

Vincent Cogliano/DC/USEPA/US@EPA

Date: 04/12/2012 02:04 PM

Subject: Re: MI control on submitting article on Weight of Evedence for Methanol (Cancer) IRIS Assessment

FYI -

Deliberative Process / Ex. 5

### **Deliberative Process / Ex. 5**

Norm - Would you please let me know what you find regarding what we have already posted on the web?

In the mean time I'll follow-up with Nathan about the previous response. Then we can get together and coordinate.

- E

Elizabeth Corona, Ph.D.

Office of Research and Development

National Center for Environmental Assessment (8601P)

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To: Kathleen Deener/DC/USEPA/US@EPA

Co: Elizabeth Corona/DC/USEPA/US@EPA, Darrell Winner/DC/USEPA/US@EPA, Elizabeth

Erwin/DC/USEPA/US@EPA, Karen Hammerstrom/DC/USEPA/US@EPA, Norman Birchfield/DC/USEPA/US@EPA,

Vincent Cogliano/DC/USEPA/US@EPA

Date: 04/12/2012 08:17 AM

Subject: Re: MI control on submitting article on Weight of Evedence for Methanol (Cancer) IRIS Assessment

Kacee et a

Deliberative Process / Ex. 5

## **Deliberative Process / Ex. 5**

Thanks--Lynn

Lynn Flowers, PhD, DABT Associate Director for Health National Center for Environmental Assessment Office of Research and Development U.S. EPA

Mailing address:

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Two Potomac Yard (North Building) 2733 S. Crystal Drive Arlington, VA 22202

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Hammerstrom/DC/USEPA/US@EPA, Lynn Flowers/DC/USEPA/US@EPA, Norman Birchfield/DC/USEPA/US@EPA,

Vincent Cogliano/DC/USEPA/US@EPA

Date: 04/11/2012 05:47 PM

Subject: Re: MI control on submitting article on Weight of Evedence for Methanol (Cancer) IRIS Assessment

I'm looking at the draft response to the MI control, and

Deliberative Process / Ex. 5

## Deliberative Process / Ex. 5

If we think it will be awhile before the methanol text goes on the web, then the approach in the draft response (post the study to the docket) seems fine.

Thoughts?

#### Kacee Deener, MPH

Acting Communications Director / Program and Regulatory Support Lead

National Center for Environmental Assessment | U.S. EPA - ORD (Mail Code 8601P) | 1200 Pennsylvania Ave. NW | Washington, D.C. 20460

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Elizabeth Erwin/DC/USEPA/US@EPA, Vincent Cogliano/DC/USEPA/US@EPA, Karen

Hammerstrom/DC/USEPA/US@EPA, Norman Birchfield/DC/USEPA/US@EPA

Date: 04/09/2012 11:17 AM

Subject: MI control on submitting article on Weight of Evedence for Methanol (Cancer) IRIS Assessment

Does anyone have comments/feedback on the attached draft response to the Methanol Institute?

Elizabeth Corona, Ph.D.

Office of Research and Development
National Center for Environmental Assessment (8601P)

Phone: 703-347-0214 Fax: 703-347-8699 ----Forwarded by Elizabeth Corona/DC/USEPA/US on 04/09/2012 10:51AM ----

To: Darrell Winner/DC/USEPA/US@EPA, Lynn Flowers/DC/USEPA/US@EPA, Kathleen Deener/DC/USEPA/US@EPA,

Elizabeth Erwin/DC/USEPA/US@EPA, Vincent Cogliano/DC/USEPA/US@EPA, Karen

Hammerstrom/DC/USEPA/US@EPA, Norman Birchfield/DC/USEPA/US@EPA

From: Elizabeth Corona/DC/USEPA/US

Date: 04/04/2012 06:05PM

Cc: Stella Spyropoulos/DC/USEPA/US@EPA

Subject: MI control on submitting article on Weight of Evedence for Methanol (Cancer) IRIS Assessment

Hi Everyone,

Attached is a draft response to a control that was only recently assigned to NCEA in CMS, even though it came in to the Agency back in February. Their incoming letter requested that we post an article online. Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5 Deliberative Process / Ex. 5

I would greatly appreciate it if you would take a quick look and send me your comments/edits. I need to upload our response to CMS by COB Friday 4/6.

Thanks, Elizabeth

(See attached file: ORD-12-000-5420 Methanol submission of WOE article (draft).docx)

Elizabeth Corona, Ph.D.
Office of Research and Development
National Center for Environmental Assessment (8601P)

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---- Forwarded by Alexis Lan/DC/USEPA/US on 02/13/2012 04:29 PM -----

From: Greg Dolan <gdolan@methanol.org>

To: IRIS HOTLINE@EPA, Bernard King/DC/USEPA/US@EPA

Cc: Paul Anastas/DC/USEPA/US@EPA, Becki Clark/DC/USEPA/US@EPA, Vincent Cogliano/DC/USEPA/US@EPA, Kevin Teichman/DC/USEPA/US@EPA, John Vandenberg/RTP/USEPA/US@EPA, Jeff Gift/RTP/USEPA/US@EPA

Date: 02/13/2012 04:25 PM

Subject: Methanol Institute Submits Article on Weight of Evedence for Methanol (Cancer) IRIS Assessment

#### IRIS Submission Desk:

Attached you will find an article set to appear in Regulatory Toxicology and Pharmacology authored by Dr. Lorenz Rhomberg of Exponent titled "Hypothesis-Based Weight-of-Evidence Evaluation of Methanol as a Human Carcinogen," which we are forwarding to you for submission to the docket for the Toxicological Review of Methanol (Cancer) under the Integrated Risk Information System. As acknowledged, this peer reviewed article was prepared with financial support from the Methanol Institute.

With the cancer portion of the methanol assessment currently on hold, we believe that this paper provides critical guidance for approaching a weight-of-evidence review of methanol's carcinogenicity. Further, at the recent National Academy of Sciences BEST meeting, NCEA Acting Director Becki Clark noted that the IRIS program is "moving toward a standardized weight of evidence characterization for all health assessments." Given this statement, and the announcement by IRIS Acting Director Vincent Cogliano that the Agency would host a workshop later this year to explore various weight-of-evidence approaches, we would encourage you to give very careful consideration to the analysis conducted by Dr. Rhomberg and his team as you reexamine the draft methanol cancer assessment.

In the interest of transparency, we request that you post this letter and the accompanying article on the NCEA webpage devoted to the methanol assessment. To that purpose, the Methanol Institute has arranged for a license agreement listing www.epa.gov as the posting web site (also attached).

Thank you for this additional opportunity to provide critical data to inform the IRIS Toxicological Review of Methanol (Cancer).

Gregory Dolan
Acting CEO
Methanol Institute
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(See attached file: MI IRIS Submission 13 Feb 2012.pdf)
(See attached file: Gradient Final WoE Methanol Article.pdf)
(See attached file: EPA License for Gradient Article.pdf)[attachment "MI IRIS Submission 13 Feb 2012.pdf" deleted by
Kathleen Deener/DC/USEPA/US] [attachment "Gradient Final WoE Methanol Article.pdf" deleted by Kathleen
Deener/DC/USEPA/US] [attachment "EPA License for Gradient Article.pdf" deleted by Kathleen Deener/DC/USEPA/US]
[attachment "ORD-12-000-5420 Methanol submission of WOE article (draft).docx" deleted by Kathleen
Deener/DC/USEPA/US]